

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A network system that seamlessly integrates wireless communication systems, such network system being characterized in that:

an architecture of the network system including ~~at least four building blocks including a~~ mobile host, a wireless access network, a basic access network independent from the wireless access network, a common core network, and an external network; the external network having a correspondent node;

the external network and the common core network being connected together via at least one gateway router;

the common core network having two functional modules including a resource manager and a mobility manager;

the wireless access network internally comprising at least one set of base stations or access points , base station or access point interfaces, and network interfaces;

the base station or access point interfaces realizing an access mechanism that enable access between the common core network and the base stations or access points;

the network interface of the wireless access network realizing an access mechanism that enables access between the base stations or access points and the mobile host;

~~the common core network including a basic access network~~, the basic access network internally comprising a network interface of base stations or access points, base stations or access points, and a basic access component, the basic access network allowing the mobile host to determine a location of the mobile host;

the network interface of base stations or access points of the basic access network realizing an access mechanism that enables access between the common core network and base stations or access points; and

the mobile host comprising at least a network interface, a network selector, a locator, a basic access component, and a local resource manager, the basic access component of the basic access network and the basic access component of the mobile host communicating with each other.

2. (Cancelled)

3. (New) The network of claim 1, wherein the basic access network has a larger service coverage than the wireless access network.

4. (New) The network of claim 1, wherein the basic access network provides discovery of available wireless system to the mobile host.

5. (New) The network of claim 1, wherein the basic access network is used for paging.

6. (New) The network of claim 1, wherein the basic access network provides low bandwidth messaging services including at least one of paging and broadcasting.

7. (New) The network of claim 1, wherein the basic access network is dedicated only to low bandwidth messaging services including at least one of paging and broadcasting, discovering available wireless system to the mobile host, and allowing the mobile host to determine the location of the mobile host.

8. (New) The network of claim 1, wherein the wireless access network and the basic access network are respectively dedicated to different specialized traffics for communicating with the mobile host.